

CLAIMS

1. Filter arrangement comprising a filter chassis (21,41) and a filter cover (22,42), c h a r a c t e r i s e d i n that the filter cover (22,42) has an additional function as
5 circuit board for electrically connected components such that said circuit board and the filter chassis comprise a common ground level.

2. The filter arrangement according to claim 1, whereby filter chassis (21,41) and circuit board (22,42) are
10 contacted by a galvanic coupling by means of coupling objects that constitute an integrated part of the filter chassis.

3. The filter arrangement according to claim 2, whereby the coupling objects (213,413) are pegs.

15 4. The filter arrangement according to claim 3, whereby said pegs (213,413) are separate objects that are mounted in the cavity bottom.

5. The filter arrangement according to claim 3, whereby the coupling objects are pegs that are mounted in the filter
20 cover.

6. The filter arrangement according to claim 1, whereby filter chassis (21,41) and circuit board (22,42) are contacted by an inductive coupling.

7. The filter arrangement according to claim 1, whereby
25 filter chassis (21,41) and circuit board (22,42) are contacted by a capacitive coupling.

8. The filter arrangement according to one of the preceding claims, whereby more than one circuit board (42,44) is arranged on the filter chassis (41) and whereby said circuit
30 boards (42,44) are shielded by help of a shielding cover (43).

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9. The filter arrangement according to claim 8, whereby a shielding cover (43) consists of a framework with crossbars (431) for shielding of certain functions on one of the circuit boards (42,44).

5 10. The filter arrangement according to claim 9, whereby the circuit boards (42,44) are arranged in such a way that the electrical components on each two boards are directed towards each other and whereby the intermediate shielding cover (43) consist of two crossbar sections for shielding of
10 functions on each of said two boards.

11. The filter arrangement according to one claims 1-10, whereby an outer shielding cover (45) provides an outer mechanical protection for the circuit boards (42,44).

12. A method for manufacturing a filter arrangement
15 according to one of claims 8-11 characterised in that units that are included in said arrangement are mounted on each other from one and the same side.